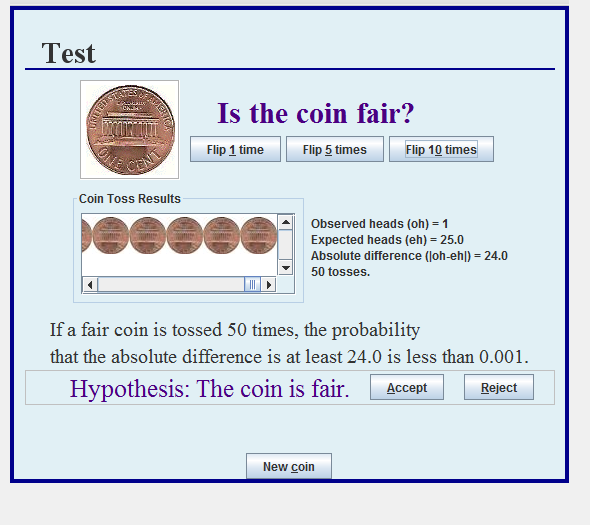
Flipping Fair Coin?

How can I test/check it?

|  |  |  |
| --- | --- | --- |
|  | **You predict fair** | **You predict biased** |
| **Coin is Fair** | 1. **CORRECT** | 1. **WRONG** |
| **Coin is biased** | 1. **WRONG** | 1. **CORRECT** |

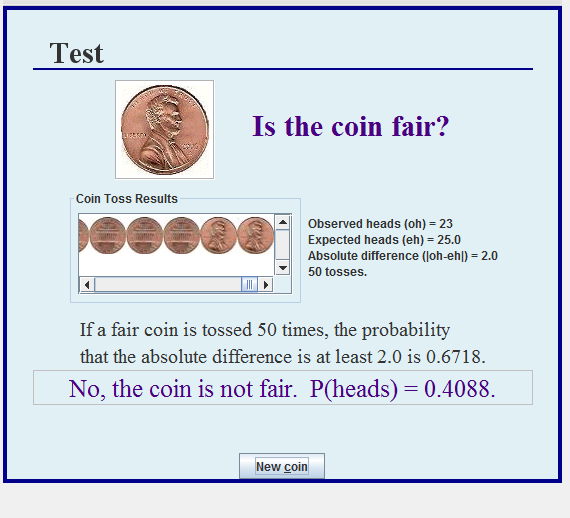


If a coin is flipped 50 times and observing only 1 head, you’d think it was NOT a fair coin I’ll bet. I would **reject** the Hypothesis: “The coin is fair.” Clicking reject, I’d get:

 I was RIGHT!!!

Hitting a New Coin and flipping 50 times, I got 31 heads. I **accepted** the statement the coin if Fair – I was right.





Hum – it was NOT fair – the coin was about 41% heads NOT 50/50!!! And it gave me 23 of 25 HEADS!

Go to this website and play with the applet. Do 50 flips, then decide whether you accept or reject the hypothesis that the coin is fair. - <http://www.math.usu.edu/~schneit/CTIS/PValue/>

Using the snipping tool capture 2 images – one where thought is was fair and it WAS! And the other where you thought it was unfair and it WAS. Paste them below. Thanks